

# IPv6 Readiness Report

watsons.com.my — watsons.com.my



Scan to verify

Category: E-commerce • Generated: 04 Jul 2026, 22:34 MYT • Last Checked: 04 Jul 2026, 03:44 MYT • Verification ID: 9bcbee39-f569-4bee-bff9-2f090c03244c

Report generated from National IPv6 Readiness Monitor — <https://ipv6.my6.my>

Audit trail: <https://ipv6.my6.my/audit/9bcbee39-f569-4bee-bff9-2f090c03244c>

<p><b>X</b></p> <p><b>Non-Compliant</b></p> <p>MGv6C-1.0</p>	<p><b>43%</b></p> <p><b>No IPv6 Support</b></p>	<p><b>IPv6-ONLY READINESS</b></p> <p>Website: <b>X Not Ready</b></p> <p>DNS: <b>✓ Ready</b></p> <p>Email: <b>X Not Ready</b></p>
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<p><b>IPv4 ADDRESSES</b></p> <p>23.199.135.179</p>
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## Network Information (WHOIS / RDAP)

IPv4 Network	
Organization	Akamai Technologies, Inc.
Country	US
ASN	AS16625
ASN Name	AKAMAI-AS - Akamai Technologies, Inc., US
Network (CIDR)	23.192.0.0/11

Web Services (35%) <span style="float: right;">0 / 8</span>			
#	CHECK	RESULT	DETAIL
1	AAAA Record	FAIL	No AAAA record found in DNS.
2	Globally Routable IPv6	FAIL	IPv6 address is not globally routable.
3	HTTP over IPv6	FAIL	HTTP is not accessible over IPv6.
4	HTTPS over IPv6	FAIL	HTTPS is not accessible over IPv6.
5	IPv6-Only Reachability	FAIL	Site is not reachable when limited to IPv6-only.
6	TLS Certificate Valid (IPv6)	FAIL	TLS certificate is invalid, expired, or hostname mismatch over IPv6.
7	Dual-Stack (IPv4 + IPv6)	FAIL	Domain is IPv6-only or IPv4-only.
8	HTTP/3 (QUIC)	FAIL	No HTTP/3 support detected.

DNS & DNSSEC (25%) <span style="float: right;">3 / 5</span>			
#	CHECK	RESULT	DETAIL
1	NS Has AAAA Record	PASS	Nameserver has IPv6 address.
2	NS Reachable via IPv6	PASS	Nameserver is reachable via IPv6 on port 53.
3	NS Answers Queries via IPv6	PASS	DNS queries answered over IPv6.
4	DNSSEC Validated	FAIL	DNSSEC validation failed or zone is unsigned.
5	Reverse DNS (PTR)	FAIL	No PTR record found.
6	DS Record at Parent	FAIL	No DS record at parent.
7	RRSIG Valid	FAIL	No valid RRSIG found.

#	CHECK	RESULT	DETAIL
8	<b>Signing Algorithm</b>	<b>INFO</b>	No DNSKEY record found.

**Email Services** (25%) 3 / 6

#	CHECK	RESULT	DETAIL
1	<b>MX Record Exists</b>	<b>PASS</b>	MX record found.
2	<b>MX Server Has IPv6</b>	<b>FAIL</b>	MX server has no IPv6 address.
3	<b>SMTP Reachable via IPv6</b>	<b>FAIL</b>	SMTP is not reachable over IPv6.
4	<b>STARTTLS over IPv6</b>	<b>FAIL</b>	STARTTLS not available over IPv6.
5	<b>SPF Record</b>	<b>PASS</b>	SPF record found.
6	<b>DKIM Selector</b>	<b>INFO</b>	DKIM selector found: selector1_domainkey
7	<b>DMARC Record</b>	<b>PASS</b>	DMARC record found.

**IPv4 Baseline** (15%) 3 / 3

#	CHECK	RESULT	DETAIL
1	<b>A Record</b>	<b>PASS</b>	23.199.135.179
2	<b>HTTP over IPv4</b>	<b>PASS</b>	HTTP (port 80) responds over IPv4 — 13ms TTFB.
3	<b>HTTPS over IPv4</b>	<b>PASS</b>	HTTPS (port 443) responds over IPv4 — 27ms TTFB.

### Audit Trail & Evidence Record

Verification ID	9bcbee39-f569-4bee-bff9-2f090c03244c
Domain	watsons.com.my
Check Mode	Manual
Status	Completed
Started	04 Jul 2026, 03:43:59 MYT
Finished	04 Jul 2026, 03:44:02 MYT
Test Node Profile	dual stack
Engine Version	2.0.0
MGv6C Version	1.0.0
Audit URL	https://ipv6.my6.my/audit/9bcbee39-f569-4bee-bff9-2f090c03244c

### Integrity Verification

<p><b>✓ INTEGRITY VERIFIED</b></p>	
Algorithm	hmac-sha256-v1
Root Hash	5728fe992e3f38c7817c506e609f252975da77bc3bf0de9f166c98af7c3490cc
http_headers	101541a6abbee6d517d9fd1b51c6ac6150881400429254d98bbca5c5eb836aea
dns_responses	dd13e54181f282ede225a3a68300e9ff0ed66a2da1c2b400df77261c51030fc2
tls_handshake	3b11696957560300ac8216448c65180554cf1bc7a2ced060460d39f3e0ba7b09
connectivity_log	887625b9277fa9d7b27f2422cf24067e5c61dab5a268b15d4ab680b85d40da35
dns_resolution_times	31a216772d77a40aa0e0610ac46796ffe9d35bc33e9aa6a951c49b38ea3371bb

### Test Node Identity

Os	Linux srv1440888 6.8.0-124-generic #124-Ubuntu SMP PREEMPT_DYNAMIC Tue May 26 13:00:45 UTC 2026 x86_64
Hostname	srv1440888
Php Version	8.3.32
Server Ipv4	76.13.221.142
Server Ipv6	2a02:4780:5e:2789::1

### DNS Resolution Performance

Comparison of A (IPv4) vs AAAA (IPv6) query times across resolvers and transports. Shows median (p50) and 95th percentile (p95) of 3 samples per tuple.

Resolver	Transport	A p50 (ms)	A p95 (ms)	AAAA p50 (ms)	AAAA p95 (ms)	Delta (ms)
System	Default	8.66	18.5	22.17	24.21	+13.5
Google	IPv4	27.37	29.72	39.23	40.62	+11.9
Google	IPv6	32.62	47.15	42.13	42.46	+9.5
Cloudflare	IPv4	14.37	21.15	19.01	19.64	+4.6
Cloudflare	IPv6	29.23	30.91	18.75	30.55	-10.5



## DNS Evidence

### A

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 14215
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
watsons.com.my. 20 IN A 23.199.135.179
```

### DS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 63826
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
com.my. 2686 IN SOA e.nic.my. hostmaster.nic.my. 2026052755 1800 900 604800 3600
```

### MX

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 16925
;; flags: qr rd ra; QUERY: 1, ANSWER: 1, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
watsons.com.my. 900 IN MX 10 watsons-com-my.mail.protection.outlook.com.
```

### NS

```
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 4264
;; flags: qr rd ra; QUERY: 1, ANSWER: 6, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
watsons.com.my. 86400 IN NS a13-67.akam.net.
watsons.com.my. 86400 IN NS a20-64.akam.net.
watsons.com.my. 86400 IN NS a2-65.akam.net.
watsons.com.my. 86400 IN NS a5-67.akam.net.
watsons.com.my. 86400 IN NS a12-67.akam.net.
watsons.com.my. 86400 IN NS a1-124.akam.net.
```

### TXT

```
;; Truncated, retrying in TCP mode.
;; Got answer:
;; -->HEADER<<- opcode: QUERY, status: NOERROR, id: 55506
;; flags: qr rd ra; QUERY: 1, ANSWER: 13, AUTHORITY: 0, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; ANSWER SECTION:
watsons.com.my. 300 IN TXT "121c9nzYhZezCWruzWpMVCqZeNDw/agRSgFdjYKq+3ZM3Bldrox0mgaZpFT+VPEIjI0L56rTLBxtkA0mQeRQ=="
watsons.com.my. 300 IN TXT "_q7edbah5bt8fjpxzvy5vcu6gtyo2tzm"
watsons.com.my. 300 IN TXT "MS=ms29533695"
watsons.com.my. 300 IN TXT "google-site-verification=wDwpKNeMSgRQu4e10mfEQnDwkz4o3CoHXcKIFqG8e_U"
watsons.com.my. 300 IN TXT "MS=ms23052152"
watsons.com.my. 300 IN TXT "google-site-verification=6f3VIFsblzNlPlFv8W-ux9BjoreFemkfkINl9KtHFU"
watsons.com.my. 300 IN TXT "MS=ms87721734"
watsons.com.my. 300 IN TXT "knowbe4-site-verification=4791b83b7115655af5dafbbd447fea68"
watsons.com.my. 300 IN TXT "v=spf1 include:ncapp02.com ip4:203.129.76.112 ip4:203.129.76.250 ip4:42.200.22.10 ip4:202.162.245.0/24 ip4:203.129.74.98 ip4:203.129.74.99 ip4:203.129.74.100 ip4:203.129.74.101 ip4:203.129.74." "102 ip4:203.129.74.103 ip4:203.129.74.104 ip4:203.129.76.1 ip4:180.87.182.9 ip4:" "203.129.76.2 ip4:203.129.76.3 include:spf.protection.outlook.com ip4:203.129.76.111 ip4:42.200.22.250 ip4:210.0.245.132 ip4:42.200.5.132 ip4:42.200.22.111 include:_spf.cmail.ondemand.com include:mail.zendesk.com i" "nclude:emarsys.net include:emstmp.com include:_spf.psm.knowbe4.com ~all"
watsons.com.my. 300 IN TXT "onetrust-domain-verification=6edbb3384f80441085f24b89becc4423"
watsons.com.my. 300 IN TXT "1jx57qt0p15t7hrdjrg7knwl9s4vm0ch"
watsons.com.my. 300 IN TXT "docuSign=f859bd0c-b343-4399-973a-ad2a18fc5821"
watsons.com.my. 300 IN TXT "meltwater_sso_20260423_triton-35926"
```

**AAAA**

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 45435
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
watsons.com.my. 3598 IN SOA a1-124.akam.net. info.wyith.net. 2018110375 10800 3600 604800 86400
```

**RRSIG**

```
a1-124.akam.net. info.wyith.net. 2018110375 10800 3600 604800 86400
```

**DNSKEY**

```
;; Got answer:
;; ->>HEADER<<- opcode: QUERY, status: NOERROR, id: 30611
;; flags: qr rd ra; QUERY: 1, ANSWER: 0, AUTHORITY: 1, ADDITIONAL: 1

;; OPT PSEUDOSECTION:
; EDNS: version: 0, flags:; udp: 1232
;; AUTHORITY SECTION:
watsons.com.my. 86398 IN SOA a1-124.akam.net. info.wyith.net. 2018110375 10800 3600 604800 86400
```

**DNSSEC\_VALIDATION**

```
; unsigned answer
watsons.com.my. 86398 IN SOA a1-124.akam.net. info.wyith.net. 2018110375 10800 3600 604800 86400
```





```

ZXJ0cy5nZW90cnVzdC5jb20vR2VvVHJ1c3RUTFNSU0FDQUCxLmNydDAMBgnVHRMB
Af8EAjAAMIIBfgYKKwYBBAHWeQIEAgSCAW4EggFqAWgAdwDCMX5XRRmjRe5/ON6y
kEHrx8Ihwik/f9w1rXaa2Q5S2QAAA27I3gNbAAAEAwBIMEYCIQCVqnnqwyjA63Jm
ZmokYFbPhk3AWv4L0U+bcuXKlhwWrwIhALQnnw+0BBbr3q8eKvrxQGaoMzRS8no+
jiF04Z/q91TtAHYA2ALV05Rpev/IFhVLE+Fq7D4/F6HVSYPFDucrtFSxQAAAGe
yN4DXgAABAMARzBFAiBfQriFnpSheX1ZvM+8Mx3u7uJ2CxhtLYVY0STzAhF9gIh
AMyCMQgVd9o0DQjdNMoLUP5WBzYMLF0v5jrLe1YbW0GAHUAL5Dh/rswe+B8xkk
JqgYZQHH0184AgE/cmd9VTcuGdgAAAGeyN4DwgAABAMARjBEAiBuBB0Lg90jcgH0
RwygcMnlwBkAR99HHPhWu2Z4idLeagIgtE6VMZQnv/mA/beDRlhv62Urf98HmbAD
/fU3sh2DW/8wDQYJKoZIhvcNAQELBQADggEBADhwEiQTPvY41TLM+IEtIgiXarYz
JUH2LFAcCggJLNUlAMfnzxfXL6s+7pFZLKU0gmyiXNPQKq20JGsc0IaK4k8b6bqL
BwotPFal5MJRW0+rhmzKgGcrbgV7qdHVehHvELzyAiHh40TJVqM8mMIBTHKEZcL
Ga1RSnAIMhbItraZ53sXWlr/h0C6Atz0KfnILIDY76kCc51+SAsY7ogJLsYtgCWA
2zRsIn4kerYUJ6odS0k06aYAp21MdnfSIEsIZ3Mt/9YzxmFyZrkedq8Td/eVSGt
ZCL0jRmL/4arvb9/b0p0PWYF96b1W5dfNzxeLyG02L9JY3L2YfKcPvMLc=
-----END CERTIFICATE-----
1 s:C = US, 0 = DigiCert Inc, OU = www.digicert.com, CN = GeoTrust TLS RSA CA G1
i:C = US, 0 = DigiCert Inc, OU = www.digicert.com, CN = DigiCert Global Root G2
a:PKKEY: rsaEncryption, 2048 (bit); sigalg: RSA-SHA256
v:NotBefore: Nov 2 12:23:37 2017 GMT; NotAfter: Nov 2 12:23:37 2027 GMT
-----BEGIN CERTIFICATE-----
MIIEJTCCA3WgAwIBAgIQDQd4KHM/xvmlcpbhMf/ReTANBqkqhkiG9w0BAQsFADBh
MQswCQYDVQQGEwJVUzEVMBMGA1UEChMMRGlnaXN0eS5nZW90cnVzdC5jb20vR2Vv
d3cuZGlnawNlcnQuY29tMSAwHgYDVQDEdEaWdpQ2VydCBHbG9iYWwUm9vdCBH
MjAeFw0xNzExMDIxMjIzMzdaFw0yNzExMDIxMjIzMzdaMGACzAJBgNVBAYTALVT
MRUwEwYDVQQKEwxEaWdpQ2VydCBHbG9iYWwMxGTAXBgNVBAsTEHd3dy5kaWdpY2VydC5j
b20xH2AdBgNVBAMTFkdldlRydXN0IFRmUyBSU0EgQ0EgRzEwggEiMA0GCSCqGSIb3

```

## HTTP Response Evidence

### IPv4 HTTP (port 80)

HTTP Status	403
Connected IP	23.199.135.179
Connect Time	0.87 ms
TTFB	11.56 ms
Total Time	11.59 ms

#### Response Headers:

```
[
  "HTTP/1.1 403 Forbidden",
  "Server: AkamaiGHost",
  "Mime-Version: 1.0",
  "Content-Type: text/html",
  "Content-Length: 368",
  "Cache-Control: max-age=0",
  "Expires: Fri, 03 Jul 2026 19:44:02 GMT",
  "Date: Fri, 03 Jul 2026 19:44:02 GMT",
  "Connection: close",
  "Server-Timing: ak_p; desc=\"1783107842014_387978700_403975922_9_8663_1_0_-\";dur=1"
]
```

### IPv4 HTTPS (port 443)

HTTP Status	403
Connected IP	23.199.135.179
Connect Time	0.81 ms
TTFB	17.56 ms
Total Time	17.6 ms

#### Response Headers:

```
[
  "HTTP/2 403",
  "server: AkamaiGHost",
  "mime-version: 1.0",
  "content-type: text/html",
  "content-length: 368",
  "cache-control: max-age=0",
  "expires: Fri, 03 Jul 2026 19:44:02 GMT",
  "date: Fri, 03 Jul 2026 19:44:02 GMT",
  "server-timing: ak_p; desc=\"1783107842025_387978700_403975931_13_9236_1_3_15\";dur=1"
]
```

## Connectivity Test Evidence

Test	Result
TCP Connect IPv4 → port 80	403 0.001232 0.012009
TCP Connect IPv4 → port 443	403 0.001275 0.027253

**Test Node Network Evidence**

Node Profile	dual stack
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**Egress Connectivity**

IPv4 Egress	76.13.221.142
IPv6 Egress	2a02:4780:5e:2789::1

**Sysctl IPv6 Flags**

net.ipv6.conf.all.disable_ipv6	0
--------------------------------	---

**IPv6 Routes**

```
2a02:4780:5e::/48 dev eth0 proto kernel metric 256 pref medium
fe80::/64 dev eth0 proto kernel metric 256 pref medium
default via 2a02:4780:5e::1 dev eth0 proto static metric 1024 pref medium
```

**IPv4 Routes**

```
default via 76.13.221.254 dev eth0 proto static
10.6.101.0/24 dev wg0 scope link
10.6.102.0/24 dev wg0 scope link
76.13.221.0/24 dev eth0 proto kernel scope link src 76.13.221.142
172.29.0.0/24 dev wg0 scope link
```